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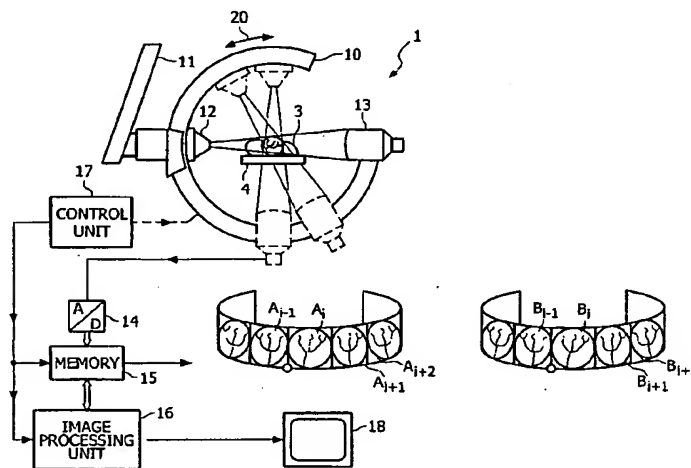
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- (54) Title: APPARATUS AND METHOD FOR 3D-X-RAY IMAGING**



- (57) Abstract:** Apparatus for 3D-x-ray imaging of an object, comprising a system having an x-ray source and an x-ray image detector which both are adjustable with respect to the object in order to obtain in use at least one series of 2D-images of the object, and a processor connected to the detector for calculating a 3D-image of the object derived from the series of 2D-images, whereby the system operates at different intensity levels to at least obtain a first series of 2D-images at a low intensity level and a second series of 2D-images at a high intensity level, and which low intensity level is predetermined at a point to substantially avoid saturation of the x-ray image detector, and whereby the processor is arranged to merge the images from the first series of 2D-images with corresponding images from the second series of 2D-images prior to calculating the 3D-image.

WO 2005/093663 A1



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